PTO-1390 (Rev. 07-2005)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)		ATTORNEY'S DOCKET NUMBER 65728 (45672) US APPLICATION NO. # keeping see 37 CFR 1.				
CONCERNING A SUBMISSION UNDER		10/283029				
	AL FILING DATE nuary 2005	PRIORITY DATE CLAIMED 16 January 2004				
TITLE OF INVENTION SUBSTRATE ADSORPTION DEVICE AND SUBSTRA		ICF				
APPLICANT(S) FOR DO/EO/US						
Hidetomo Miyake Applicant herewith submits to the United States Designated/E	lected Office (DO/EO/	US) the following items and other information:				
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. x This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.						
3. X This is an express request to begin national examin include items (5), (6), (9) and (21) indicated below.	ation procedures (35 L	J.S.C. 371(f)). The submission must				
4. The US has been elected (Article 31).						
5. x A copy of the International Application as filed (35 U	.S.C. 371 (c)(2))					
a. x is attached hereto (required only if not commun	icated by the Internation	onal Bureau).				
b. has been communicated by the International Bu	ıreau.					
c. is not required, as the application was filed in th	e United States Recei	ving Office (RO/US).				
6. x An English language translation of the International	Application as filed (35	5 U.S.C. 371(c)(2)).				
a. x is attached hereto.						
b. has been previously submitted under 35 U.S.C.	154(d)(4).					
7. X Amendments to the claims of the International Appli	cation under PCT Artic	cle 19 (35 U.S.C. 371(c)(3))				
a are attached hereto (required only if not commu	inicated by the Internal	tional Bureau).				
b. have been communicated by the International E	Bureau.					
c. have not been made; however, the time limit for making such amendments has NOT expired.						
d. x have not been made and will not be made.						
8. An English language translation of the amendments	to the claims under Po	CT Article 19 (35 U.S.C. 371(c)(3)).				
9. X An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
Items 11 to 20 below concern document(s) or infor	mation included:					
11. x An Information Disclosure Statement under 37 C	FR 1.97 and 1.98.					
12. x An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.						
13. A preliminary amendment.						
14. x An Application Data Sheet under 37 CFR 1.76.						
15. A substitute specification.						
16. A power of attorney and/or change of address lette	er.					
A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.						
8. A second copy of the published International Application under 35 U.S.C. 154(d)(4).						
9. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						

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U.S. APPLICATION NOTE (APPLICATION NOTE)

U.S. APPLICATION	1583	5°3'9	INTERNATIONAL APPLICATION NO. PCT/JP2005/000712			/	ATTORNEY'S DOCKET NUMBER 65728 (45672)			
20. X Other items or information: PCT/RO/101; PCT/ISA/210; PCT/ISA/237; PCT/IB/301; PCT/IB/304; PCT/IB/311; Return Receipt Postcard										
The fell	owing fees have	a boon submitt	od .							
_	•				\$300		CALCULATION 300.0		PTO USEONLY	
21. x Basic national fee (37 CFR 1.492(a)) \$300					+					
Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$ 200.0	00				
l -	ch fee (37 CFR									
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$	\$ 400.0	00			
	TOTAL OF 21, 22					-	900.0	00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.										
Total Sheets	Extra Sheets		n additional 50 or fraction up to a whole number)		RATE					
32 - 100 =	/50 =		x \$250.00			- 3	5			
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					\$					
CLAIMS		MBER FILED	NUMBER EXTRA		RATE			r		
Total clain		8 - 20 = 1 - 3 =		×			0.00			
Independent of	ENDENT CLAIM(S	<u> </u>		* +		_	0.0	00		
		, (ppco.,)	TOTAL OF A		/E CALCULATION	s = 9	\$ 900.0	00		
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					000.0					
SUBTOTAL =				L = \$	900.0	00				
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).			8	\$						
TOTAL NATIONAL FEE =			E = \$	\$ 900.00						
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +			9	\$ 40.00						
			9	\$						
			TOTAL FEES ENCLOSED =		= 9	\$ 940.00		940.00		
							Amount to be efunded:	\$		
							Amount to be	\$		

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a. A check in the amount of \$ to cover the above	e fees is enclosed.				
b. X Please charge my Deposit Account No. 04-1105 in the amount A duplicate copy of this sheet is enclosed.	unt of \$ 940.00 to cover the above fees.				
c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit					
Account No04-1105 A duplicate copy of this sheet is enclosed. d Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information					
should not be included on this form. Provide credit card information and authorization on PTO-2038 NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be					
filed an granted to restore the International Application to pending status					
	0.4 %				
SEND ALL CORRESPONDENCE TO:	SIGNATURE				
David A. Tucker EDWARDS ANGELL PALMER & DODGE LLP					
P.O. Box 55874	David A. Tucker				
Boston, Massachusetts 02205 (617) 517-5508	NAME				
(617) 517-5508					
CUSTOMER NUMBER: 21874	27,840				
	REGISTRATION NUMBER				
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	,				

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 65728 (45672)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 755072045 US in an envelope addressed to:

MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on <u>June 20, 2006</u>

Date

Kacicia M. Drusy				
Signature	e - J			
Kathleen M. I	Drury			
Typed or printed name of person signing Certificate				
	(617) 951-2288			
Registration Number, if applicable	Telephone Number			

Note:

Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (3 pages)

Application Data Sheet (2 sheets)

Specification w/cover sheet, claims & Abstract (24 pages)

Formal Drawings Fig. 1 - Fig. 16 (8 pages)

Executed Oath or Declaration of the inventor(s) (4 pages)

PCT/RO/101; PCT/ISA/210; PCT/ISA/237; PCT/IB/301; PCT/IB/304;

PCT/IB/311; International Application No. WO 2005/069366-A1

Information Disclosure Statement (2 pages)

Form PTO/SB/08a/b (w/6 References) (1 page)

Recordation Form Cover Sheet (2 pages)

Assignment (3 pages) Return Receipt Postcard

Authorization to charge \$940.00 to deposit account 04-1105